

SCOTT THOMPSON  
EXECUTIVE DIRECTOR



OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

REDACTED VERSION

MARY FALLIN  
GOVERNOR

October 21, 2014

(b) (6)

Dear Mr. and Mrs. (b) (6)

The Oklahoma Department of Environmental Quality (DEQ) sampled water from your house well on September 18<sup>th</sup>, 2014 as part of a reoccurring sampling event that will be performed approximately every three months. DEQ has offered this sampling to residents that live on, or adjacent to the Wilcox Oil Company Superfund Site. You are receiving this letter because you have provided DEQ permission to enter your property and collect a water sample from your well.

DEQ sampled for three types of contaminants that can be found on historical refinery locations. Those are: Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) and Metals.

The first page of the sampling data is for VOCs. Results of the sampling are located in the Results column. The "<" symbol indicates that the substance was not detected in the sample. The next three pages are for SVOCs, and the last page for Metals. The "<" symbol in the Qualifier column indicates that the substance was not detected. No VOC or SVOC chemicals were detected in the water sample from your well. Several metals were detected at normal levels and are not considered to be a health risk.

The purpose of this sampling event was not to fully define the extent or type of contamination that may be present on the Wilcox Site. All potential health risks from the Site are unknown at this time. Further soil, sediment, surface water and ground water testing will be required in the future to determine how best to clean up the Wilcox Site.

If you have questions about this letter or the sampling data, do not hesitate to call me at (405) 702-5136. Please contact Bart Canellas with the U.S. Environmental Protection Agency at (214) 665-6662 with any questions about the EPA Superfund process or plans for the Wilcox Site.

Sincerely,

A handwritten signature in black ink that reads "W. Todd Downham".

Todd Downham  
Project Manager, Wilcox Oil Company Superfund Site  
Land Protection Division  
Oklahoma Department of Environmental Quality

c. Bart Canellas, U.S. EPA Dallas



## State Environmental Laboratory Services Division

EPA DRINKING WATER CERTIFICATION #OK00013

General Inquiries: 1-866-412-3057

### SAMPLE INFORMATION

**Sample Number:** 049217.004  
**Description:** (b) (6)  
**Sample Address:** WR-4  
**Collected By:** TD  
**Collected:** 9/18/14 12:20 pm  
**Received:** 9/19/14 8:34 am

### TEST RESULTS

**Analysis:** Volatile Organic Compounds **Analysis Method:** EPA 524.3

Component Name	Result	Unit	Qualifiers	Analyst	Analysis Date
1,1,1-Trichloroethane	<0.5	µg/L		RMA	9/22/14
1,1,2-Trichloroethane	<0.5	µg/L		RMA	9/22/14
1,1-Dichloroethene	<0.5	µg/L		RMA	9/22/14
1,2,4-Trichlorobenzene	<0.5	µg/L		RMA	9/22/14
1,2-Dichlorobenzene	<0.5	µg/L		RMA	9/22/14
1,2-Dichloroethane	<0.5	µg/L		RMA	9/22/14
1,2-Dichloropropane	<0.5	µg/L		RMA	9/22/14
1,4-Dichlorobenzene	<0.5	µg/L		RMA	9/22/14
Benzene	<0.5	µg/L		RMA	9/22/14
Carbon Tetrachloride	<0.5	µg/L		RMA	9/22/14
Chlorobenzene	<0.5	µg/L		RMA	9/22/14
cis-1,2-Dichloroethene	<0.5	µg/L		RMA	9/22/14
Ethylbenzene	<0.5	µg/L		RMA	9/22/14
Methyl tert-Butyl Ether (MtBE)	<0.5	µg/L		RMA	9/22/14
Methylene Chloride	<0.5	µg/L		RMA	9/22/14
Styrene	<0.5	µg/L		RMA	9/22/14
Tetrachloroethene	<0.5	µg/L		RMA	9/22/14
Toluene	<0.5	µg/L		RMA	9/22/14
trans-1,2-Dichloroethene	<0.5	µg/L		RMA	9/22/14
Trichloroethene	<0.5	µg/L		RMA	9/22/14
Vinyl Chloride	<0.5	µg/L		RMA	9/22/14
Xylenes	<0.5	µg/L		RMA	9/22/14

Sample Number: 540032  
 Project Code: SW-WE  
 Agency Number:  
 Date Collected: 9/18/2014  
 Time Collected: 1220  
 Date Received: 9/19/2014  
 Date Completed: 09/25/2014  
 Collected By: TD  
 PWS Id:  
 Location Code:  
 Station:  
 Facility:  
 Report Date: 9/25/2014

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
 707 N. ROBINSON  
 OKLAHOMA CITY  
 OKLAHOMA, 73102-6010  
 General Inquiries: 1-866-412-3057  
 or selsd@deq.ok.gov  
**Report of Analysis by GCMS**  
 EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

**RECEIVED**

SEP 29 2014

LAND PROTECTION DIVISION  
 DEPARTMENT OF ENVIRONMENTAL QUALITY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab.		1.22		09/23/14		
Acenaphthylene	<	24.4	UG/L	09/23/14	8270DM	
Acenaphthene	<	24.4	UG/L	09/23/14	8270DM	
Anthracene	<	24.4	UG/L	09/23/14	8270DM	
Benzo(b)fluoranthene	<	24.4	UG/L	09/23/14	8270DM	
Benzo(k)fluoranthene	<	24.4	UG/L	09/23/14	8270DM	
Benzo(a)pyrene	<	24.4	UG/L	09/23/14	8270DM	
Bis(2-chloroethyl)ether	<	24.4	UG/L	09/23/14	8270DM	
Bis(2-chloroethoxy)methane	<	24.4	UG/L	09/23/14	8270DM	
Bis(2-chloroisopropyl)ether	<	24.4	UG/L	09/23/14	8270DM	
Butylbenzylphthalate	<	24.4	UG/L	09/23/14	8270DM	
Chrysene	<	24.4	UG/L	09/23/14	8270DM	
Diethylphthalate	<	24.4	UG/L	09/23/14	8270DM	
Dimethylphthalate	<	24.4	UG/L	09/23/14	8270DM	
Fluoranthene	<	24.4	UG/L	09/23/14	8270DM	
Fluorene	<	24.4	UG/L	09/23/14	8270DM	
Hexachlorocyclopentadiene	UJ <	24.4	UG/L	09/23/14	8270DM	
Hexachloroethane in water	<	24.4	UG/L	09/23/14	8270DM	
Indeno(123cd)pyrene	UJ <	24.4	UG/L	09/23/14	8270DM	
Isophorone	<	24.4	UG/L	09/23/14	8270DM	
Nitrosodipropylamine	<	24.4	UG/L	09/23/14	8270DM	
Nitrosodiphenylamine	<	24.4	UG/L	09/23/14	8270DM	
Nitrobenzene	<	24.4	UG/L	09/23/14	8270DM	
p-Chloro-m-cresol	<	24.4	UG/L	09/23/14	8270DM	
Phenanthrene	<	24.4	UG/L	09/23/14	8270DM	
Pyrene	<	24.4	UG/L	09/23/14	8270DM	
Benzo(ghi)perylene	<	24.4	UG/L	09/23/14	8270DM	
Benzo(a)anthracene	<	24.4	UG/L	09/23/14	8270DM	
1,2,4-Trichlorobenzene	<	24.4	UG/L	09/23/14	8270DM	
Dibenzo(ah)anthracene	<	24.4	UG/L	09/23/14	8270DM	
1,4-Dichlorobenzene	<	24.4	UG/L	09/23/14	8270DM	
2-Chloronaphthalene	<	24.4	UG/L	09/23/14	8270DM	
2-Chlorophenol	<	24.4	UG/L	09/23/14	8270DM	

Sample Number: 540032  
 Project Code: SW-WE  
 Agency Number:  
 Date Collected: 9/18/2014  
 Time Collected: 1220  
 Date Received: 9/19/2014  
 Date Completed: 09/25/2014  
 Collected By: TD  
 PWS Id:  
 Location Code:  
 Station:  
 Facility:  
 Report Date: 9/25/2014

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
 707 N. ROBINSON  
 OKLAHOMA CITY  
 OKLAHOMA, 73102-6010  
 General Inquiries: 1-866-412-3057  
 or selsd@deq.ok.gov

**Report of Analysis by GCMS**  
 EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2-Nitrophenol	<	24.4	UG/L	09/23/14	8270DM	
Di-n-octylphthalate	<	24.4	UG/L	09/23/14	8270DM	
2,4-Dichlorophenol	<	24.4	UG/L	09/23/14	8270DM	
2,4-Dimethylphenol	<	24.4	UG/L	09/23/14	8270DM	
2,4-Dinitrotoluene	<	24.4	UG/L	09/23/14	8270DM	
2,4-Dinitrophenol	UJ <	61.0	UG/L	09/23/14	8270DM	
2,4,6-Trichlorophenol	<	24.4	UG/L	09/23/14	8270DM	
2,6-Dinitrotoluene	UJ <	24.4	UG/L	09/23/14	8270DM	
3,3'-Dichlorobenzidine	<	24.4	UG/L	09/23/14	8270DM	
4-Bromophenylphenyl ether	<	24.4	UG/L	09/23/14	8270DM	
4-Chlorophenyl phenylether	<	24.4	UG/L	09/23/14	8270DM	
4-Nitrophenol	<	61.0	UG/L	09/23/14	8270DM	
4,6-Dinitro-o-cresol	<	61.0	UG/L	09/23/14	8270DM	
Phenol	<	24.4	UG/L	09/23/14	8270DM	
Naphthalene	<	24.4	UG/L	09/23/14	8270DM	
Pentachlorophenol	<	61.0	UG/L	09/23/14	8270DM	
Bis(2-ethylhexyl)phthalate	<	24.4	UG/L	09/23/14	8270DM	
Di-n-butylphthalate	<	24.4	UG/L	09/23/14	8270DM	
Hexachlorobenzene	<	24.4	UG/L	09/23/14	8270DM	
Hexachlorobutadiene	<	24.4	UG/L	09/23/14	8270DM	
Dibenzofuran	<	24.4	UG/L	09/23/14	8270DM	
2-Methylnaphthalene	<	24.4	UG/L	09/23/14	8270DM	
2-Methylphenol	<	24.4	UG/L	09/23/14	8270DM	
4-Methylphenol	<	24.4	UG/L	09/23/14	8270DM	
2,4,5-Trichlorophenol	<	24.4	UG/L	09/23/14	8270DM	
4-Chloroaniline	<	24.4	UG/L	09/23/14	8270DM	
2-Nitroaniline	<	61.0	UG/L	09/23/14	8270DM	
3-Nitroaniline	<	61.0	UG/L	09/23/14	8270DM	
4-Nitroaniline	<	61.0	UG/L	09/23/14	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		68
P-TERPHENYL-D14		83

Sample Number: 540032  
Project Code: SW-WE  
Agency Number:  
Date Collected: 9/18/2014  
Time Collected: 1220  
Date Received: 9/19/2014  
Date Completed: 09/25/2014  
Collected By: TD  
PWS Id:  
Location Code:  
Station:  
Facility:  
Report Date: 9/25/2014

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY  
STATE ENVIRONMENTAL LABORATORY  
707 N. ROBINSON  
OKLAHOMA CITY  
OKLAHOMA, 73102-6010  
General Inquiries: 1-866-412-3057  
or seisd@deq.ok.gov  
**Report of Analysis by GCMS**  
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		56
2-FLUOROPHENOL		33
2-FLUOROBIPHENYL		66
PHENOL-D5		23

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
----------	---	-------	-------

NOT ANALYZED

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX - 292119515

SAMPLERS COMMENTS:

(b) (6) WR-4

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE TEMP = 3.4C

ANALYST'S COMMENTS:

Heather Rhoads (8270DM), (ND) None detected. (UJ) The compound was analyzed for but was not detected at a level greater than or equal to the reporting limit for this sample analysis; however, the absence of detection may be inaccurate (due to certain quality control measures not meeting criteria).

\* ANALYST



Sample Number: 540032  
Project Code: SW-WE  
Agency Number:  
Date Collected: 9/18/2014  
Time Collected: 1220  
Date Received: 9/19/2014  
Date Completed: 10/17/2014  
Collected By: TD  
PWS Id:  
Location Code:  
Station:  
Facility:  
Report Date: 10/17/2014

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
**707 N. ROBINSON**  
**OKLAHOMA CITY**  
**OKLAHOMA, 73102-6010**  
General Inquiries: 1-866-412-3057  
or selsd@deq.ok.gov

**Report of Analysis by Metals**  
EPA Drinking Water Certification #OK00013

To: FILE COPY

CC: TODD DOWNHAM/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	2.00	UG/L	10/15/14	200.8	
Barium, Total		30.9	UG/L	10/15/14	200.8	
Beryllium, Total	<	2.00	UG/L	10/15/14	200.8	
Cadmium, Total	<	2.00	UG/L	10/15/14	200.8	
Chromium, Total		5.40	UG/L	10/15/14	200.8	
Copper, Total		22.0	UG/L	10/15/14	200.8	
Lead, Total	<	5.00	UG/L	10/15/14	200.8	
Thallium, Total	<	1.00	UG/L	10/15/14	200.8	
Nickel, Total	<	10.0	UG/L	10/15/14	200.8	
Silver, Total	<	10.0	UG/L	10/15/14	200.8	
Zinc, Total	OT <	10.0	UG/L	10/15/14	200.8	
Antimony, Total	<	2.00	UG/L	10/15/14	200.8	
Selenium, Total	<	10.0	UG/L	10/15/14	200.8	
Mercury, Total	<	0.05	UG/L	10/14/14	200.8	

**Summary**

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX - 292119515

**SAMPLERS COMMENTS:**

(b) (6) WR-4

**SAMPLE RECEIVING COMMENTS:**

ICE; SAMPLE TEMP = 3.4C

**ANALYST'S COMMENTS:**

(OT) Other Zn results possibly biased low

\*

\* ANALYST

*Greg Goode*  
Greg Goode  
State Environmental Laboratory